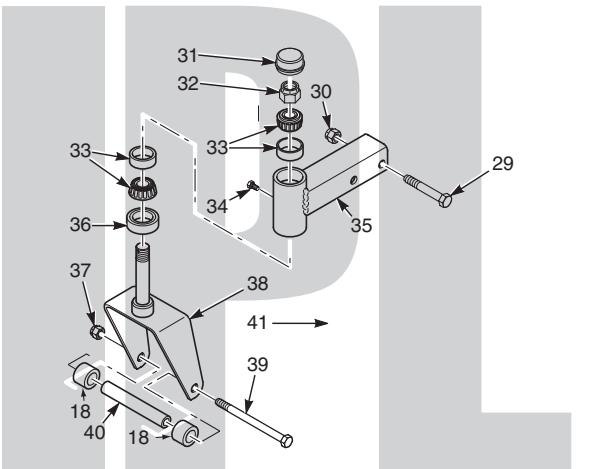


# SCAG POWER EQUIPMENT®



## ILLUSTRATED PARTS MANUAL



### Model STT Dual-Fuel Turf Tiger

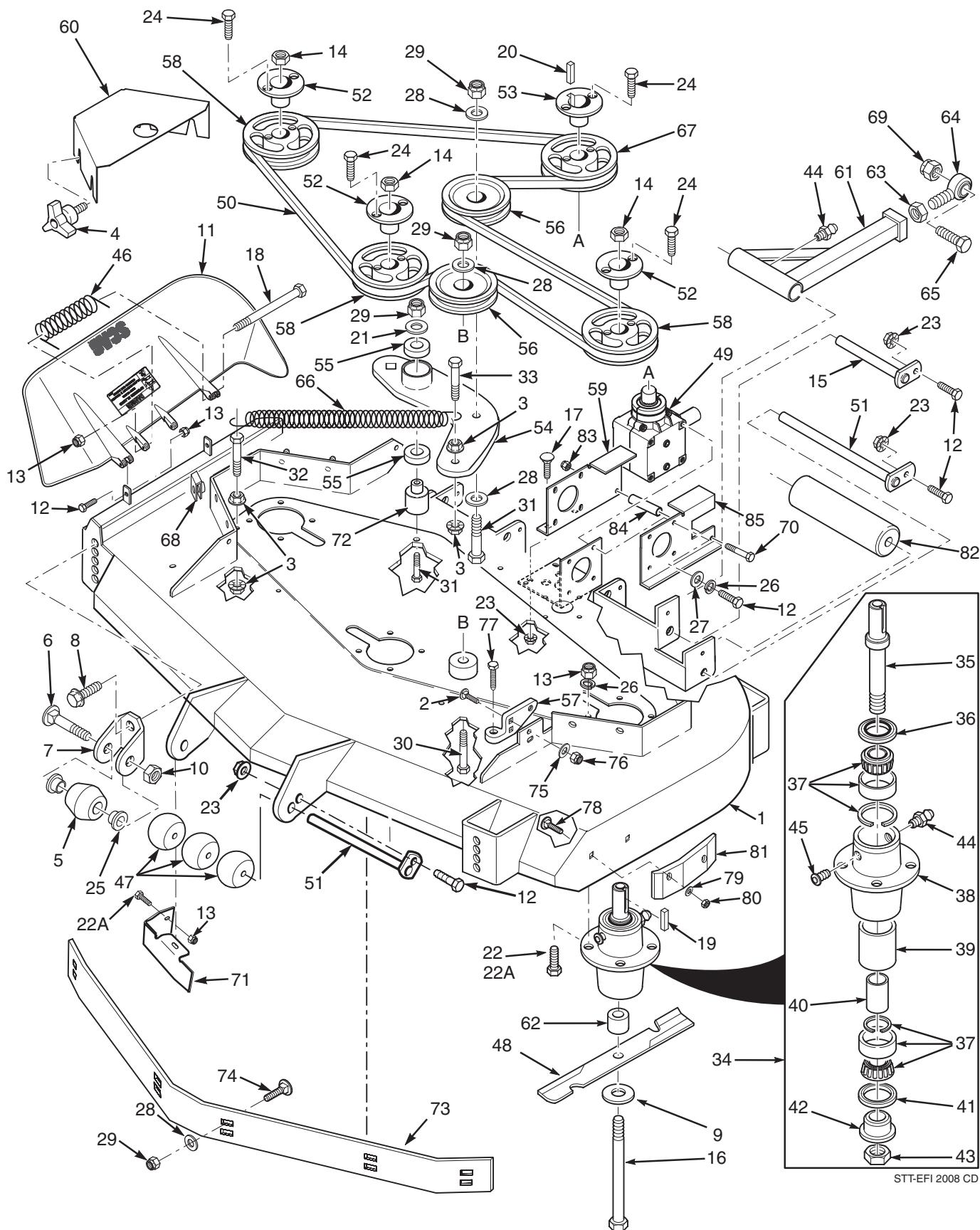
THIS MANUAL CONTAINS THE ILLUSTRATED PARTS LIST FOR MODELS:  
**STT61V-29KB-DF** with a serial number of E5800001 to E5899999



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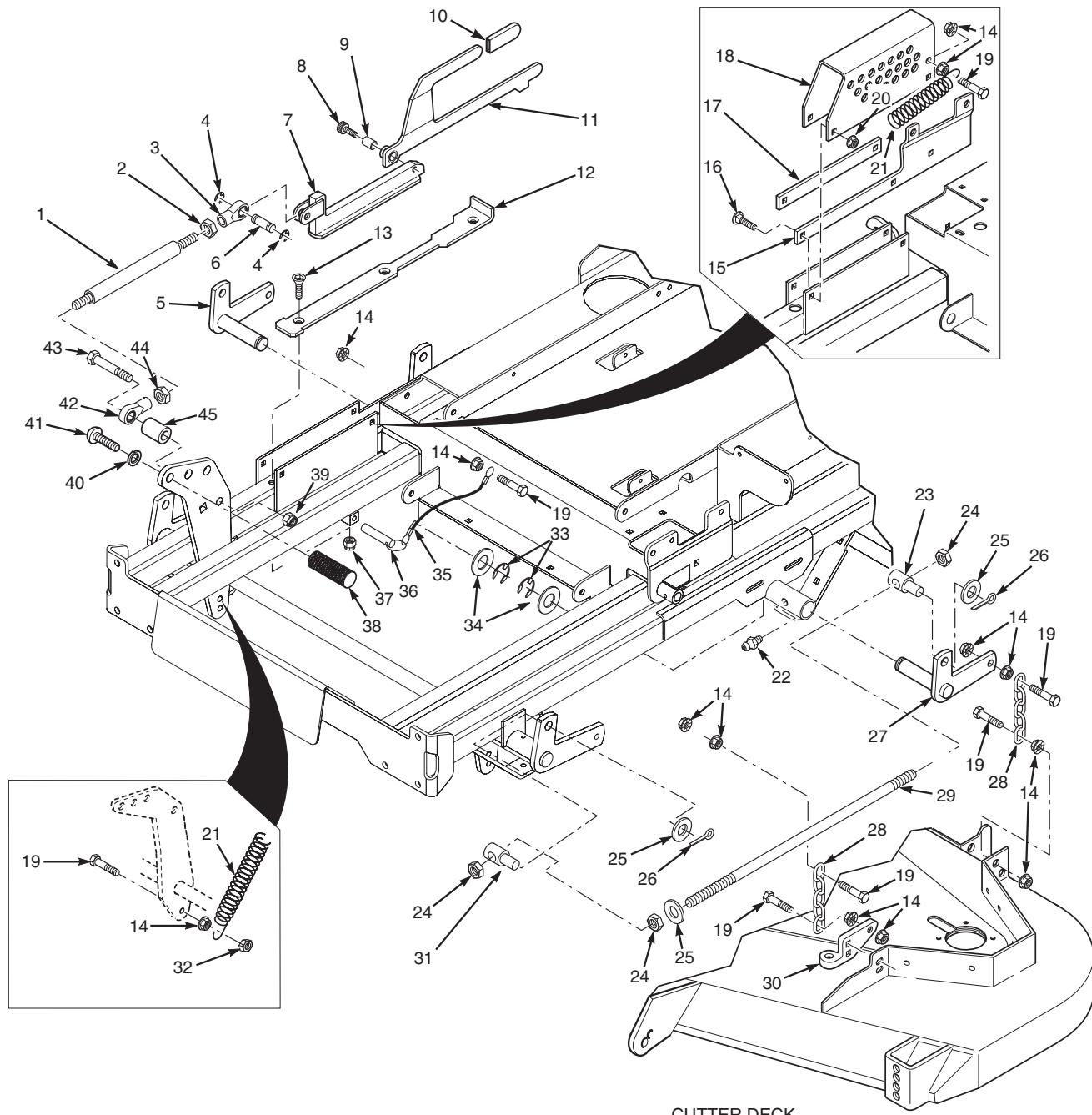
## **61V Cutter Deck**



**Section 8****61V Cutter Deck**

<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>
1	462143	Cutter Deck Velocity Plus
2	04003-40	Bolt, Carriage 7/16-14 x 1-1/4"
3	04019-04	Nut, Hex Serr. Flng. 3/8-16
4	481625-01	Wing Nut, 3/8-16
5	481632	Anti-Scalp Wheel
6	04003-26	Bolt, Carriage 3/8-16 x 4"
7	422478	Anti-Scalp Wheel Bracket
8	04017-27	Bolt, Hex Serr. Flng. 3/8-16 x 1"
9	04043-06	Flatwasher, 5/8" Hardened
10	04021-05	Locknut, 3/8-16 Center Lock
11	461846	Discharge Chute
12	04001-12	Bolt, Hex Hd. 5/16-18 x 1-1/2" - Rear
13	04021-22	Nut, Hex Elastic Stop 5/16-18 Grd. 8
14	04020-09	Nut, 5/8-11 UNC
15	451240	Pusharm Shaft
16	04001-41	Bolt, Hex Hd. 5/8-11 x 9-1/2"
17	04003-12	Bolt, Carriage 5/16-18 x 3/4"
18	04001-108	Bolt, Hex Hd. 5/16-18 x 4-1/2"
19	04063-08	Key, 1/4 x 1/4 x 2"
20	04063-01	Key, 1/4 x 1/4 x 1-1/4"
21	04043-04	Flatwasher, 3/8 (.39 x .938 x .105") HD
22	04001-176	Bolt, Hex Hd. 5/16-18 x 1-3/4"
23	04019-03	Nut, Hex Serr. Flng. 5/16-18
24	04001-172	Bolt, Hex Hd. 1/4-20 x 1" Grd. 8
25	48100-15	Bushing, .376" I.D. Oilite
26	04030-03	Lockwasher, 5/16"
27	04040-15	Flatwasher, 5/16" (.375 x .875 x .083")
28	04041-07	Flatwasher, 3/8" (.391 x .938 x .105")
29	04021-09	Nut, Hex Elastic Stop 3/8-16
30	04001-62	Bolt, Hex Hd. 3/8-16 x 3-1/4"
31	04001-54	Bolt, Hex Hd. 3/8-16 x 3"
32	04001-20	Bolt, Hex Hd. 3/8-16 x 1-1/2"
33	04001-136	Bolt, Hex Hd. 3/8-16 x 1-1/2" Grd. 8
34	461663	Spindle Assembly
35	43589	Spindle Shaft
36	481024	Seal, Top
37	481022	Bearing Assembly
38	43644	Spindle Housing
39	43312	Spacer, Outside
40	43296	Spacer, Inside
41	481025	Seal, Bottom
42	43297	Spindle Bushing, Bottom
43	481035	Nut, Special 1-1/16-18
44	48114-04	Grease Fitting
45	48677	Relief Fitting, Tapered Spindle

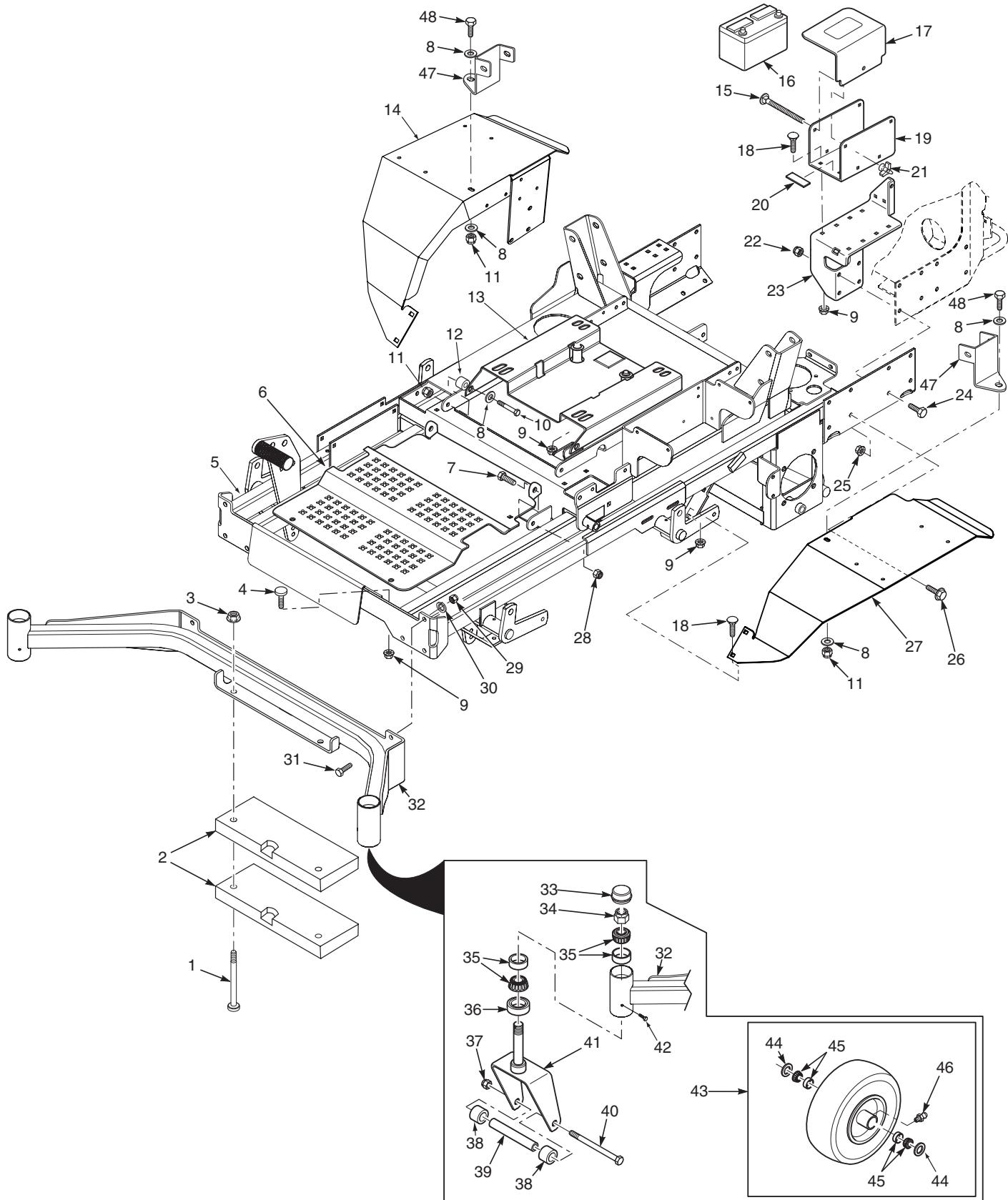
<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>
46	483378	Spring, Discharge Chute
47	482295	Wheel, Anti-Scalp
48	482879	Cutter Blade, 21"
49	482486	Gearbox Assembly, Deck Drive
50	481558	Belt, Cutter Deck Drive
51	45944	Roller Shaft
52	48926	Tapered Hub, 1-1/8" Bore
53	48141	Tapered Hub, 1" Bore
54	461842	Idler Arm, Cutter Deck
55	48224	Bearings, Ball
56	483215	Pulley, Idler
57	461929	Lever Assembly, Deck Level (Incl. 77)
58	482745	Pulley, 6.35" O.D. (61")
59	424798	Mounting Plate, RH Gearbox
60	424325	Belt, Cover
61	461516	Pusharm (Incl. 44, 63 & 64)
62	43590	Spacer, Spindle Bottom
63	04020-16	Nut, Hex Hd. 5/8-18 UNF
64	48763	Rod End, 5/8" Male RH Thread
65	04001-79	Bolt, Hex Hd. 5/8-11 x 4-1/2"
66	483704	Spring, Cutter Deck
67	482746	Pulley, 6.75 O.D.
68	04110-03	U-Nut, 3/8-16
69	04021-13	Nut, Hex Elastic Stop 5/8-11
70	04001-154	Bolt, Hex Hd. 5/16-18 x 4-3/4"
71	424209	Discharge Baffle 61V
72	43503	Pivot, Idler - Short
73	424841	Baffle, Custom Cut 61V
74	04003-23	Bolt, Carriage 3/8-16 x 1"
75	04040-11	Flatwasher, 7/16 (.500 x 1.25 x .083")
76	04021-11	Nut, Elastic Stop 7/16-14
77	483167	Bolt, Deck Adjust
78	04003-12	Bolt, Carriage 5/16-18 x 3/4"
79	04040-04	Flatwasher, 5/16"
80	04021-04	Nut, Center Lock 5/16-18
81	483176	Wear Pad
82	48038	Wheel, Anti-Scalp
83	04021-10	Nut, Elastic Stop 5/16-18
84	43763	Spacer, Gearbox Mount
85	424799	Mounting Plate, LH Gearbox

**CUTTER DECK CONTROLS**

## CUTTER DECK CONTROLS

Ref. No.	Part No.	Description
1	481764	Link, Deck Lift
2	04020-28	Nut, Jam 1/2-20 LH
3	481766	Rod End, Female - 1/2-20 LH
4	04050-10	Ring, Retaining 1/2" External "E"
5	45905	Bellcrank Weldment, RH Rear
6	43487	Pin, Decklift
7	482429	Slide Weldment, Height Adjustment
8	04009-02	Bolt, Shoulder 1/2 x 3/4"
9	48100-14	Bushing, .502 ID.
10	481428	Grip, Deck Latch
11	462102	Deck Latch (Includes items 9 & 10)
12	424857	Lockplate, Decklift
13	04014-03	Screw, Cap 5/16-18 x 3" FHHS
14	04019-04	Nut, Hex Serrated Flange 3/8-16
15	423509	Guide, Long
16	04003-04	Bolt, Carriage 5/16-18 x 1"
17	422381	Guide, Short
18	423463	Bracket, Cutting Height Adjustment
19	04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
20	04019-03	Nut, Hex Serrated Flange 5/16-18
21	481598	Spring, Helper (61" & 72" Cutter Decks Only)
22	48114-04	Grease Fitting
23	43526	Swivel Joint, LH
24	04020-09	Nut, Hex 5/8-11
25	04040-09	Flatwasher, 5/8" (.656 x 1.312 x .095)
26	04061-07	Cotter Pin, 3/16 x 1"
27	45904	Bellcrank Weldment, LH Rear
28	48540	Chain
29	04004-48	Stud, 5/8-11 x 26.0"
30	461929	Lever Assembly, Deck Level
31	43527	Swivel Joint, RH
32	04021-05	Locknut, 3/8-16 Center Lock
33	04050-08	Ring, Retaining 1" External "E"
34	04041-14	Flatwasher, 1" (1.062 x 1.50 x .048)
35	481547	Lanyard, Deck Height Pin
36	04067-09	Ring Pin, 1/2 x 3.06"
37	04021-09	Nut, 3/8-16 Elastic Stop
38	424504	Foot Pedal, Height Adjustment
39	04021-07	Nut, Hex Elastic Stop 1/2-13
40	04030-07	Lockwasher, 5/8"
41	04105-01	Capscrew, 5/8-11 x 1-1/2"
42	481765	Rod End, Female - 1/2-20 RH
43	04001-74	Bolt, Hex Head 1/2-13 x 3"
44	04020-27	Nut, Jam 1/2-20 RH
45	43391	Spacer, Decklift Pedal

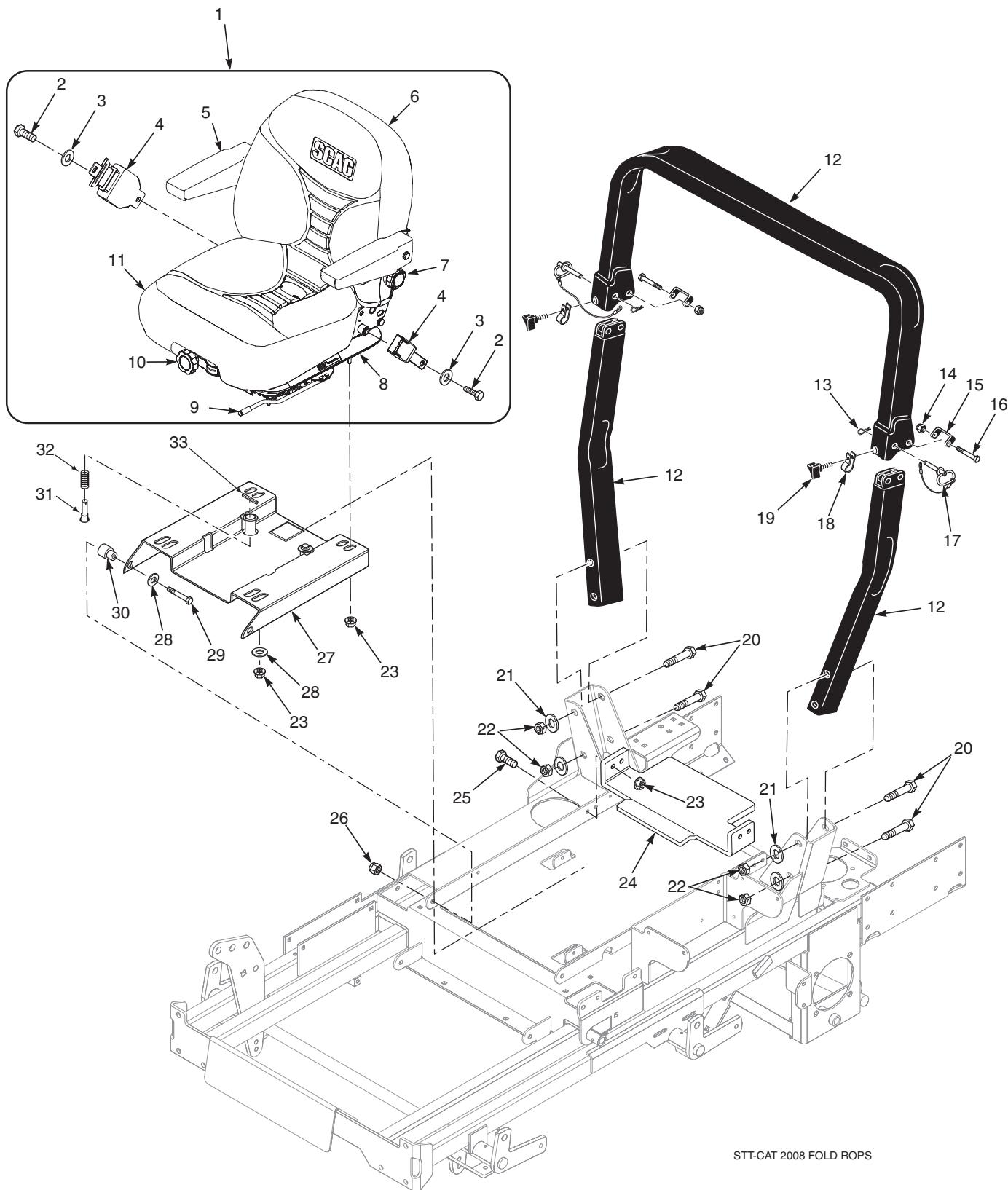
## SHEET METAL COMPONENTS



STT-31DF SMC

## SHEET METAL COMPONENTS

Ref. No.	Part No.	Description
1	04001-145	Bolt, Hex Head 1/2-13 x 3.5"
2	41020	Weight
3	04021-07	Nut, Hex Elastic Stop 1/2-13
4	481284	Bumper, Rubber 5/16-18 x 5/8"
5	462145	Main Frame Assembly w/Decals
6	424847	Foot Plate
7	04001-19	Bolt, Hex Head 3/8-16 x 1"
8	04041-07	Flatwasher, 3/8-.391 x .938 x .105
9	04019-03	Nut, Hex Serrated Flange 5/16-18
10	04001-45	Bolt, Hex Head 3/8-16 x 2.0"
11	04021-09	Nut, Elastic Stop 3/8-16
12	43606	Spacer Bushing
13	462147	Seat Plate Weldment w/Decal
14	452026	Fender Weldment, RH
15	04003-01	Bolt, Carriage 1/4-20 x 6"
16	*	Battery (not avail. through Scag)
17	422682	Cover, Battery
18	04003-12	Bolt, Carriage 5/16-18 x 3/4"
19	462007	Plate, Battery Box
20	48661	Rubber Pad
21	04029-01	Wing Nut, 1/4-20 x 3/4"
22	04021-09	Nut, Elastic Stop 3/8-16
23	424488	Battery Box Mount
24	04001-19	Bolt, Hex Head 3/8-16 x 1"
25	04019-04	Nut, Hex Serrated Flange 3/8-16
26	04017-27	Screw, Hex Serrated Flange 3/8-16 x 1"
27	452025	Fender Weldment, LH
28	04021-09	Nut, Hex Elastic Stop 3/8-16
29	04021-11	Nut, Elastic Stop 7/16-14
30	04030-05	Lockwasher, 7/16"
31	04001-28	Bolt, Hex Head 7/16-14 x 1-1/4"
32	451992	Extention Weldment, Caster (Use with 61" Deck)
	451993	Extention Weldment, Caster (Use with 72" Deck)
33	481559	Cap, Grease
34	04021-20	Nut, Hex Elastic Stop 1.0"-14
35	481657	Bearing W/Race
36	481025	Seal, 2.00" OD. x 1.625" Bore
37	04021-07	Nut, Hex Elastic Stop 1/2-13
38	43584	Spacer, Caster Wheel
39	43583	Sleeve, Caster Wheel (61V)
40	04001-167	Bolt, Hex Head 1/2-13 x 9-1/2" (61V)
41	451416	Yoke Weldment, Caster (61V )
42	482028-01	Plug, 1/4-28 THD Form
43	92785	Wheel Assembly, (Inc. 44, 45, & 46)
44	482622	Seal
45	482621	Bearing w/ Race
46	48114-10	Grease Fitting
47	424999	Bracket, Fender Support
48	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"

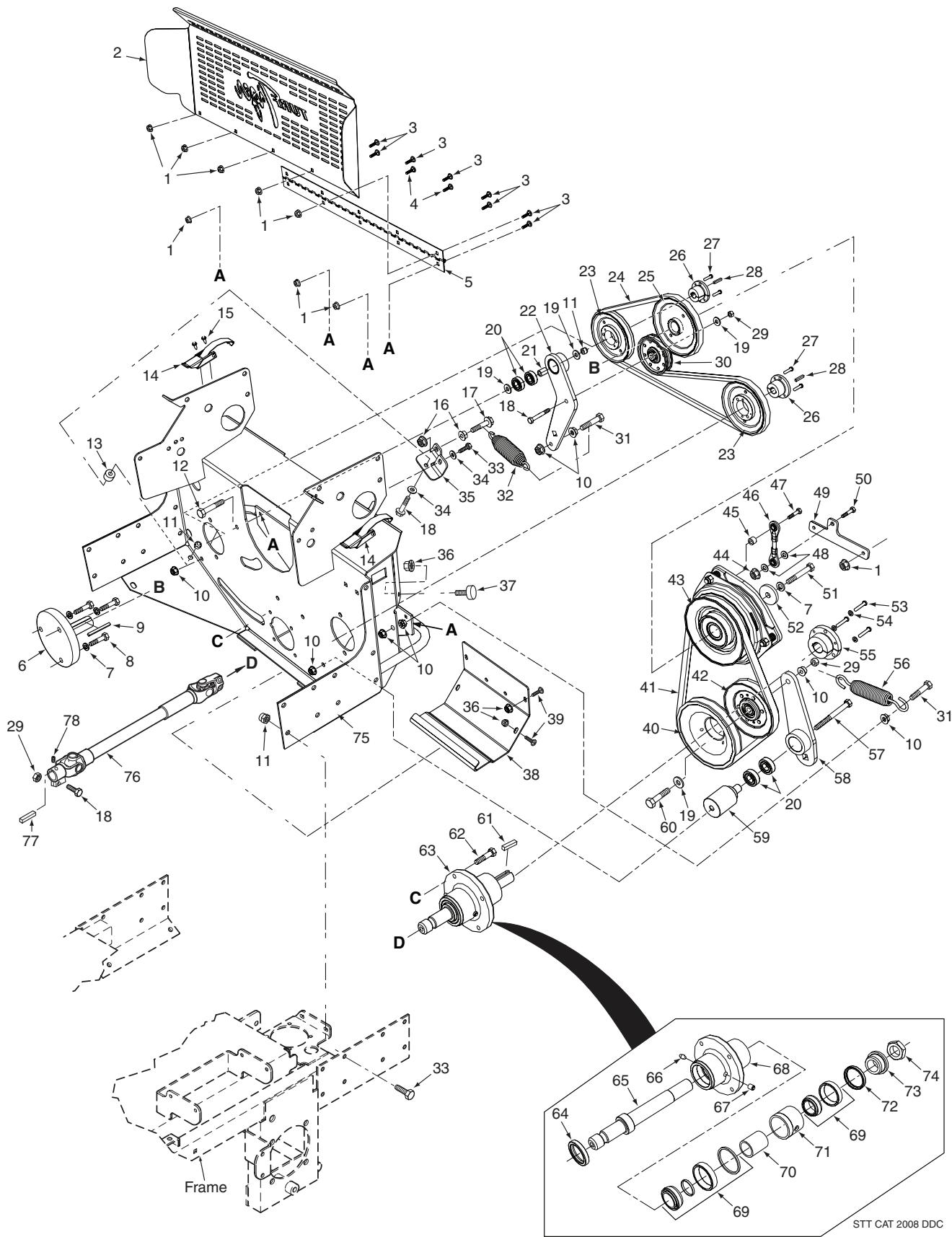
**STT ROLL-OVER PROTECTION SYSTEM - with SUSPENSION SEAT**

STT-CAT 2008 FOLD ROPS

**Section 8****STT ROLL-OVER PROTECTION SYSTEM - with SUSPENSION SEAT**

<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>
1	9292	Suspension Seat Assembly w/seat belt
2	04001-178	Bolt, Hex Head 7/16-20 x 1"
3	04040-11	Flatwasher, 7/16-.500 x 1.25 x .083
4	483594	Retractable Seat Belt
5	482950	Armrest Only
	482945	Armrest Assembly Kit, LH
	482946	Armrest Assembly Kit, RH
6	482940	Back Cushion Kit
7	482943	Lumbar Kit
	482948	Knob Kit
8	482942	Shock Absorber Kit
9	482952	Seat Adjustment, Track Set
10	482944	Weight Adjustment Kit
	482948	Knob Kit
11	482941	Seat Cushion Kit
		Seat Drain Kit (Included with Seat Cushion)
12	9514	STT, ROPS Accessory (incl. items 13 thru 22)
13	04062-06	Hair Pin, Cotter
14	04021-19	Nut, Center Lock 1/2-13
15	424407	Bracket, Stop
16	04001-145	Bolt, Hex Head 1/2-13 x 3-1/2"
17	483262	Pin
18	483265	Clamp
19	481625-03	Thumb Screw, 5/16-18 NC x 3/4"
20	04001-82	Bolt, Hex Head 1/2-13 x 4-1/2"
21	04040-13	Flatwasher, 1/2-.562 x 1.375 x .109
22	04021-19	Nut, Center Lock 1/2-13
23	04019-03	Nut, Serrated Flange 5/16-18
24	461968	Bracket, Seat Hold Down with Decal
25	04001-09	Bolt, Hex Head 5/16-18 x 1"
26	04021-09	Nut, Elastic Stop 3/8-16
27	462147	Seat Plate Weldment w/Decal
28	04041-07	Flatwasher, 3/8-.391 x .938 x .105
29	04001-45	Bolt, Hex Head 3/8-16 x 2"
30	43606	Spacer Bushing
31	43477	Pin Retainer, Spring
32	481389	Spring, Seat
33	04060-01	Roll Pin, Spring 5/32 x 3/4"

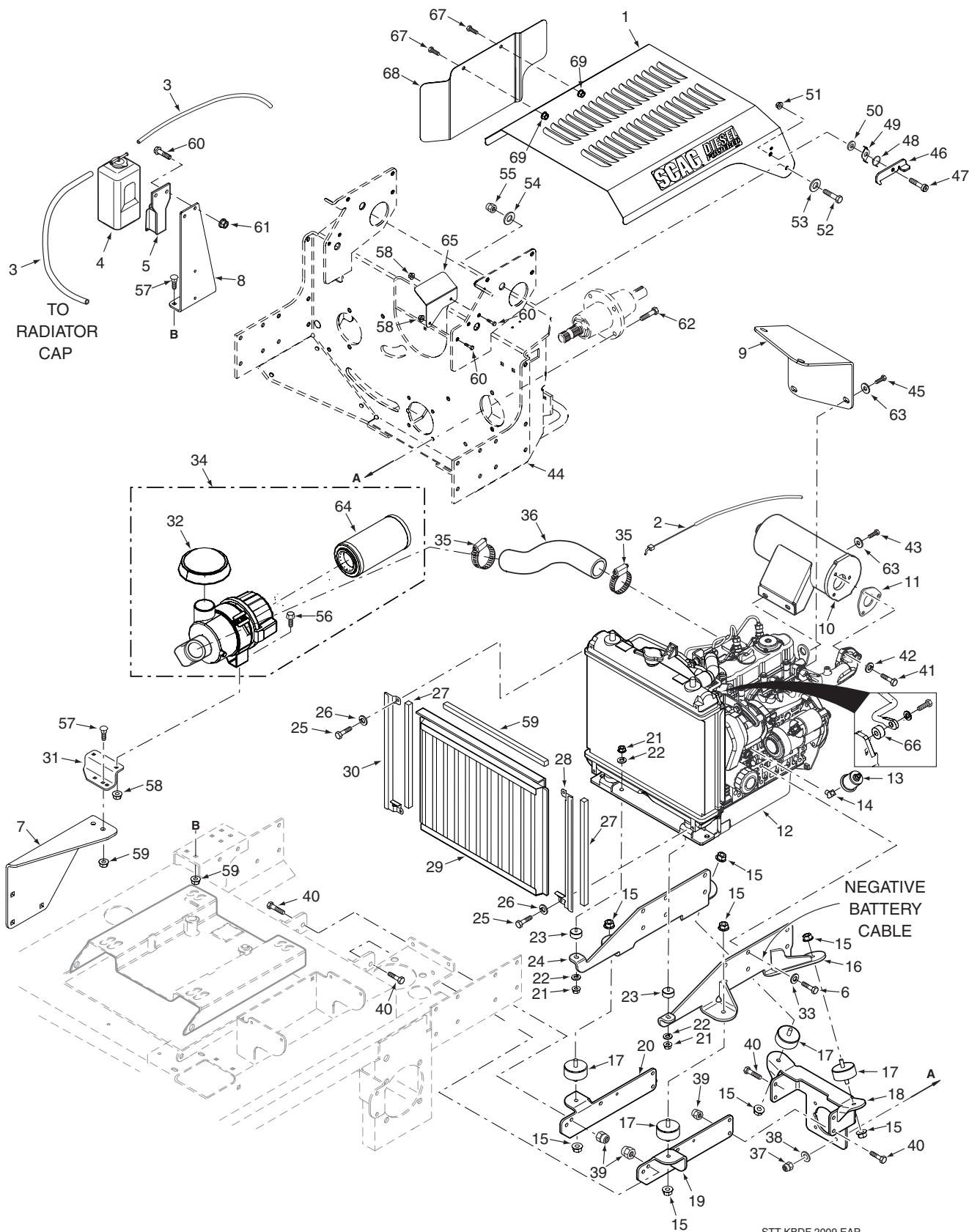
## **DECK DRIVE COMPONENTS**



**DECK DRIVE COMPONENTS**

<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>
1	04019-02	Nut, Serrated Flange 1/4-20	46	482433	Rod Assembly, Clutch Anti-Rotation
2	425133	Belt Guard, Rear	47	04001-11	Bolt, Hex Head 5/16-18 x 1-1/2"
3	04003-07	Bolt, Carriage 1/4-20 x 1/2"	48	04040-04	Flatwasher, 5/16"
4	04003-02	Bolt, Carriage 1/4-20 x 3/4"	49	423465	Bracket, Anchor, Anti-Rotation
5	481531	Hinge, Belt Guard	50	04001-10	Bolt, Hex Head 5/16-18 x 1-1/4"
6	482334	Stub Shaft, (Kubota)	51	04102-03	Bolt, Hex Head 7/16-20 x 2-1/4"
7	04030-05	Lockwasher, 7/16" Spring	52	04041-28	Flatwasher, 7/16-.469 x 1.75 x .25
8	04002-26	Bolt, Hex Head M10 x 1.5 x 35	53	04001-109	Bolt, Hex Head 1/4-20 x 1-3/8"
9	04063-23	Key, 1/4 x 1/4 x 3-1/4"	54	04030-02	Lockwasher, 1/4" Spring
10	04019-04	Nut, Serrated Flange 3/8-16	55	481536	Tapered Hub, 1" Bore
11	04021-09	Nut, Elastic Stop 3/8-16	56	483430	Spring, PTO
12	04001-135	Bolt, Hex Head 3/8-16 x 1-3/4" Grd 8	57	04001-171	Bolt, Hex Head 3/8-16 x 4-1/2" Grd 8
13	43286	Spacer	58	461609	Idler Arm Weldment, PTO Drive
14	481309	Latch, Hood	59	43632	Pivot, Idler PTO
15	04011-11	Screw, #10-32 x .56	60	04001-170	Bolt, Hex Head 3/8-16 x 2-1/2" Grd 8
16	04019-06	Nut, Serrated Flange 1/2-13	61	04063-06	Key, 1/4 x 1/4 x 1-1/2"
17	04001-185	Bolt, Hex Head 1/2-13 x 2" Grd 8	62	04001-176	Bolt, Hex Head 5/16-18 x 1-3/4" Grd 8
18	04001-21	Bolt, Hex Head 3/8-16 x 1-3/4"	63	461665	Spindle Assembly, Deck Drive
19	04043-04	Washer, 3/8" Hardened	64	481024	Seal, 2.0 OD x 1.5 Bore
20	48224	Ball Bearing	65	43534	Shaft, Deck Drive
21	43631	Spacer, Idler Bearing	66	48114-04	Grease Fitting, 1/4-28
22	461608	Idler Arm Weldment, Pump Drive	67	48677	Relief Fitting
23	482744	Pulley, 5.75" O.D. - Kubota	68	43644	Spindle Housing
24	482876	Belt, Pump Drive - Kubota	69	481022	Roller Bearing Tapered
25	483829	Pulley, 5.67 Dia. - 1.125 Bore - Kubota	70	43296	Spacer, Inside
26	481884	Tapered Hub, 17mm Bore	71	43312	Spacer, Outside
27	04001-172	Bolt, Hex Head 1/4-20 x 1" Grd 8	72	481025	Seal, 2.0 OD x 1.625 Bore
28	04063-27	Key, 5 x 5 x 35 mm	73	43297	Spindle Bushing, Bottom
29	04021-05	Nut, Center Lock 3/8-16	74	481035	Nut, 1.06-18 Thread
30	483214	Pulley, Idler 4" Dia.	75	452027	Pump Mounting Plate Weldment (DF Engine)
31	04001-136	Bolt, Hex Head 3/8-16 x 1-1/2" Grd 8	76	482438	Driveshaft
32	483088	Spring, Transmission Idler	77	04063-20	Key, 1/4 x 1/4 x 1"
33	04001-19	Bolt, Hex Head 3/8-16 x 1"	78	04012-08	Set Screw, 3/8-16 x 3/4" Torx Socket
34	04041-07	Flatwasher, 3/8-.391 x .938 x .105			
35	424764	Bracket			
36	04019-03	Nut, Serrated Flange 5/16-18			
37	481284	Bumper, Rubber			
38	424691	Cover, Rear			
39	04003-12	Bolt, Carriage 5/16-18 x 3/4"			
40	481398	Pulley, 6.35 Tapered Bore			
41	481460	Belt, Deck Drive			
42	48181	Pulley, Idler 5" Dia.			
43	462011	Clutch, Ogura GT 3.5 - 1.125 Bore			
44	04021-10	Nut, Hex Elastic Stop 5/16-18			
45	43587	Spacer			

## **ENGINE & ATTACHING PARTS - KUBOTA DUAL FUEL**



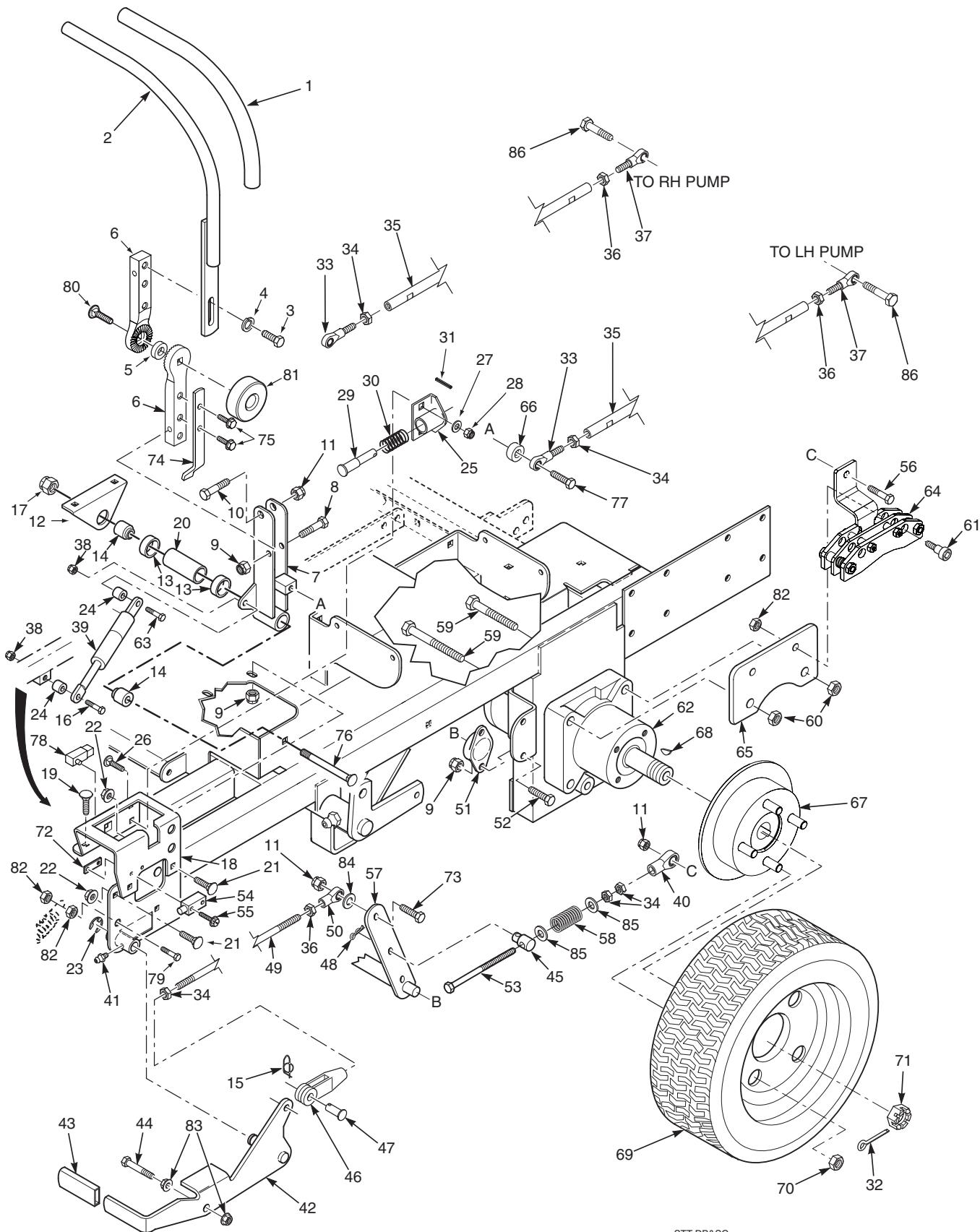
## Section 8

## ENGINE &amp; ATTACHING PARTS - KUBOTA DUAL FUEL

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	462008	Hood Assembly (Incl. 46, 47, 48, 49, 50, 51)	46	424633	Latch, Hood
2	483356	Throttle Cable	47	04009-07	Bolt, Shoulder 5/16-18 x 1/2"
3	**	Hose, Over Spill Bottle	48	483507	Spring, Hood Latch
4	**	Over Spill Bottle	49	424634	Lock, Hood Latch
5	**	Mounting Bracket, Over-Spill Bottle	50	04041-07	Flatwasher, 3/8 (.391 x .938 x .105")
6	04002-10	Bolt, Metric Hex Hd. M10-1.25 x 25mm	51	04021-04	Nut, Center Lock 5/16-18
7	425003	Bracket, Kubota Air Cleaner	52	04001-21	Bolt, Hex Hd. 3/8-16 x 1-3/4"
8	425005	Bracket, Kubota Coolant Overflow Bottle	53	04041-07	Flatwasher, 3/8 (.391 x .938 x .105")
9	425002	Bracket, Kubota Coil	54	04041-11	Flatwasher, 3/8 (.406 x 1.50 x 7 Ga.)
10	483811	Muffler, Kubota	55	04021-09	Nut, Elastic Stop 3/8-16
11	483387	Gasket, Muffler	56	04017-16	Bolt, Hex Hd. Serr. Flng. 5/16-18 x 3/4"
12	483335	** Engine, Kubota (not avail. through Scag)	57	04003-12	Bolt, Carriage 5/16-18 x 3/4"
13	481811	Oil Pressure Sender	58	04019-03	Nut, Serr. Flng. 5/16-18
14	483433	Elbow, 45 Deg.	59	483513	Foam, Radiator Screen Upper
15	04019-04	Nut, Serr. Flng. 5/16-18	60	04017-16	Bolt, Hex Hd. Serr. Flng. 5/16-18 x 3/4"
16	451862	Mounting Bracket Weldment LH	61	04019-03	Nut, Serr. Flng. 5/16-18
17	483351	ISO Mount	62	04001-176	Bolt, Hex Hd. 5/16-18 x 1-3/4" Grd. 8
18	424452	Plate, Rear Engine Mount	63	04040-04	Flatwasher, SAE 5/16 (.344 x .688 x .065")
19	424448	Plate, Engine Mount LH	64	483637	Air Filter, Outer (Enginaire p/n 68300)
20	424449	Plate, Engine Mount RH	65	425183	Shield, Battery
21	04025-02	Nut, Metric Hex M8-1.25mm	66	43714	Spacer, Radiator
22	04030-03	Lockwasher, 5/16" Spring	67	04017-05	Bolt, Serr. Flng 1/4-20 x 3/4"
23	**	Rubber ISO Mount, Radiator	68	425150	Heatshield, Air Cleaner STT-DF
24	451863	Mounting Bracket Weldment RH	69	04019-02	Nut, Serr. Flng 1/4-20
25	04106-01	Capscrew, Metric M6-1.0 x 16mm			
26	04030-02	Lockwasher, 1/4" Spring			
27	483512	Foam, Radiator Screen			
28	424624	Debris Screen Track LH			
29	462035	Debris Screen Assembly (Incl. 59)			
30	424623	Debris Screen Track RH			
31	424497	Bracket, Air Cleaner Mount			
32	483635	Rain Cap (Enginaire p/n 68381)			
33	04030-05	Lockwasher, 7/16" Spring			
34	483485-01	Air Filter Assembly (Enginaire p/n 68103)			
35	48136-09	Clamp, 2-1/4" Max. Dia.			
36	483793	Hose, Air Intake			
37	04021-22	Nut, Elastic Stop 5/16-18 Grd. 8			
38	04030-03	Lockwasher, 5/16" Spring			
39	04021-09	Nut, Elastic Stop 3/8-16			
40	04001-19	Bolt, Hex Hd. 3/8-16 x 1"			
41	04002-01	Bolt, Metric Hex Hd. M8-1.25 x 30mm			
42	04030-03	Lockwasher, 5/16" Spring			
43	04002-03	Bolt, Metric Hex Hd. M8-1.25 x 25mm			
44	451861	Pump Mounting Plate Weldment (Kubota)			
45	04002-03	Bolt, Metric Hex Hd. M8-1.25 x 25mm			

\*\* Available through the individual engine manufacturer.

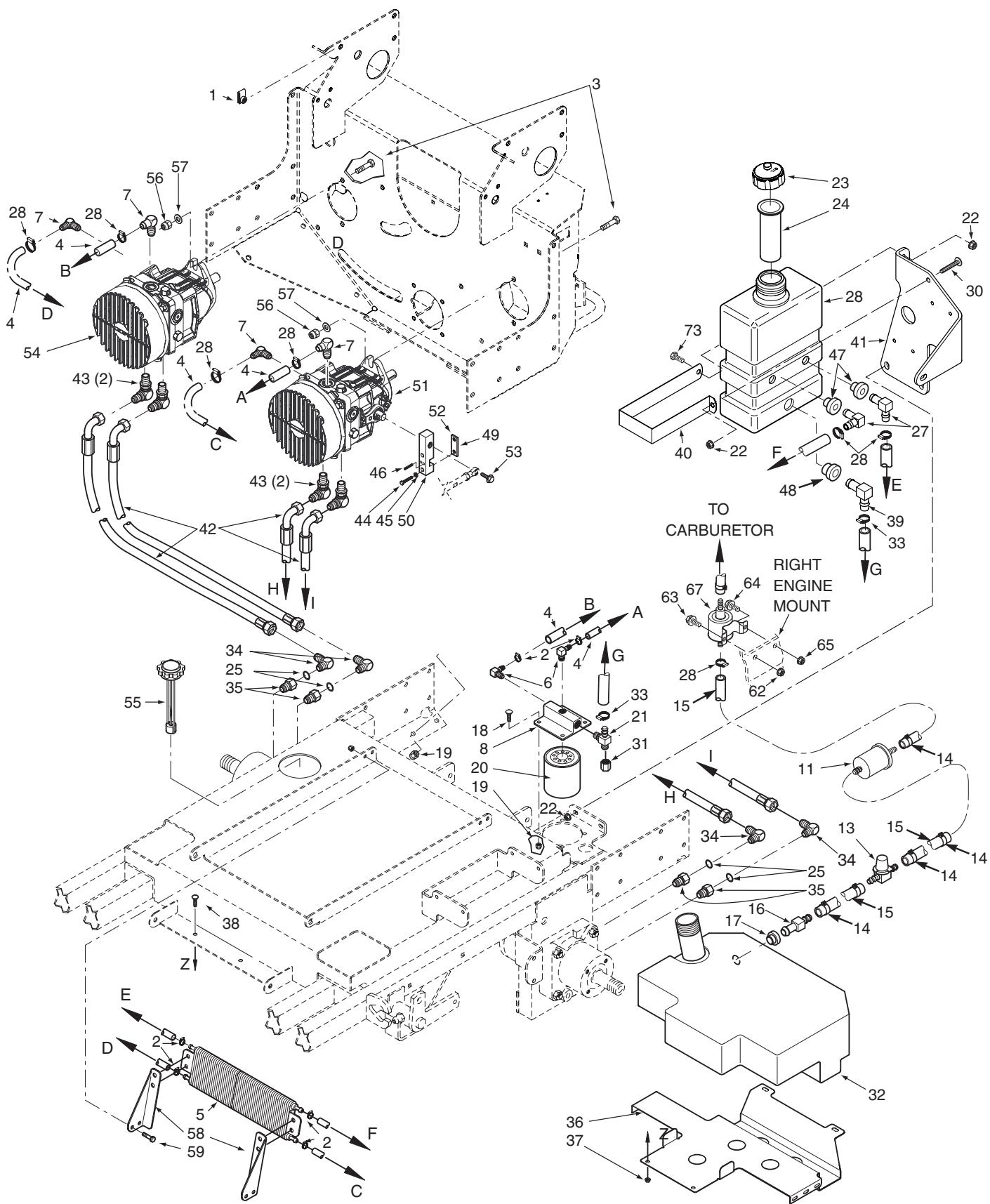
## BRAKE AND STEERING COMPONENTS



## BRAKE AND STEERING COMPONENTS

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	482340	Grip, Handle Bar	46	48343-04	Clevis, Traction Control
2	461914	Handle Bar, LH (Includes item 1)	47	04064-02	Pin, Clevis
	461923	Handle Bar, RH (Includes item 1)	48	04062-01	Hair Pin Cotter
3	04001-09	Bolt, Hex Head 5/16-18 x 1"	49	04004-49	Rod, Parking Brake
4	04030-03	Lockwasher, 5/16"	50	48544	Rod End, LH Thread
5	483250	Rubber Spacer	51	482061	Bushing, Self Align
6	483238	Bar, Control Lever	52	04001-08	Bolt, Hex Head 5/16-18 x 3/4"
7	451483	Control Lever Weldment, LH	53	04001-192	Bolt, Hex Hd 3/8-24 x 5-1/2"
	451484	Control Lever Weldment, RH	54	481637	Switch, Parking Brake
8	04001-17	Bolt, Hex Head 5/16-18 x 2"	55	04010-12	Screw, Hex Slotted Washer Head #10 32 x 3/4"
9	04021-10	Nut, Hex Elastic Stop 5/16-18			Bolt, Hex Head 3/8-16 x 1-1/4"
10	04001-45	Bolt, Hex Head 3/8-16 x 2"	56	04001-32	Bellcrank, Brake Actuator
11	04021-09	Nut, Hex Elastic Stop 3/8-16	57	45953	Spring
12	423488	Mount, Control Linkage	58	48807	Bolt, Hex Hd 1/2-13 x 2-3/4" (upper)
13	48224	Ball Bearings, Neutral Return	59	04001-190	Bolt, Hex Hd 1/2-13 x 2-1/2" (lower)
14	43607	Spacer			Locknut, Hex 1/2-13 Center Lock
15	04069-01	Pin, Rue Cotter 3/8 Dia.	60	04021-19	Bolt, Shoulder 1/2 x 3/8-16 x 2-3/4"
16	04001-13	Bolt, Hex Head, 5/16-18 x 2.75 Zinc	61	04009-10	Wheel Motor, Parker
17	04021-13	Nut, Hex Elastic Stop 5/8-11	62	484108	Bolt, Hex Head, 5/16-18 x 1.75, Zinc
18	461601	Bracket, Control Lever LH	63	04001-12	Brake Caliper
	461602	Bracket, Control Lever RH	64	483701	Mounting Bracket, Brake
19	04003-04	Bolt, Carriage 5/16-18 x 1"	65	424894	Spacer
20	43600	Spacer, Bearing	66	43063	Wheel Hub/Disk Brake Assembly
21	04003-12	Bolt, Carriage 5/16-18 x 3/4"	67	43771	Key, Woodruff 5/16 x 1"
22	04019-03	Nut, Hex Serrated Flange 5/16-18	68	04063-25	Wheel Assembly 24 x 12-12 Turf Master
23	04050-01	Ring, Retaining 5/8" External "E"	69	481850	Rim W/Valve Stem
24	43602	Spacer			Tire, 24 x 12-12 Turf Master
25	45918	Bracket, Neutral Return	70	481852	Lug Nut, 1/2-20
26	04003-02	Bolt, Carriage 1/4-20 x 3/4"			Nut, Hex Castle
27	04040-14	Flatwasher, 1/4" (.312 x .750 x .065)	71	04028-02	Threaded Plate
28	04021-08	Nut, Hex Elastic Stop 1/4-20	72	422373	Bolt, Hex Head 3/8-16 x 1-1/2"
29	43477	Pin, Retaining Spring	73	04001-20	Actuator, Switch
30	481389	Spring	74	423491	Bolt, Hex Serrtd Flng 5/16-18 x 3/4"
31	04060-01	Roll Pin, Spring 5/32 x 3/4"	75	04017-16	Bolt, Hex Head 5/8-11 x 4-1/2"
32	04061-06	Pin, Cotter 9/16 x 1-1/2"	76	04001-79	Bolt, Hex Head 3/8-16 x 1-1/4"
33	482586	Rod End, Male 3/8-24 RH Thread	77	04001-32	Switch, Handle Neutral
34	04020-25	Nut, 3/8-24 RH Thread	78	481638	Bolt, Hex Head 3/8-16 x 1-1/4" Grd 8
35	483680	Tube, Control Link	79	04001-168	Bolt, Carriage 3/8-16 x 1-1/2"
36	04020-26	Nut, Hex 3/8-24 LH Thread	80	04003-05	Knob
37	482585	Rod End, Male 3/8-24 LH Thread	81	483269	Nut, Center Lock 3/8-16
38	04021-05	Locknut, 5/16-18, Elastic Stop	82	04021-05	Nut, Serrated Flange 3/8-16
39	482794	Gas Damper	83	04019-04	Flatwasher, 3/8-.391 x .938 x .105
40	482330	Rod End, 3/8-24 RH Female	84	04041-07	Flatwasher, 3/8-.406 x .812 x .065
41	48114-04	Grease Fitting	85	04040-05	Bolt, Hex Head, 3/8-16 x 1-3/4"
42	461082	Lever, Parking Brake (Inc. item 43)			
43	481548	Grip, Parking Brake	86	04001-21	
44	04001-22	Bolt, Hex Head 3/8-16 x 2-3/4"			
45	43773	Swivel Joint			

## GASOLINE AND HYDRAULIC SYSTEM - KUBOTA DUAL FUEL



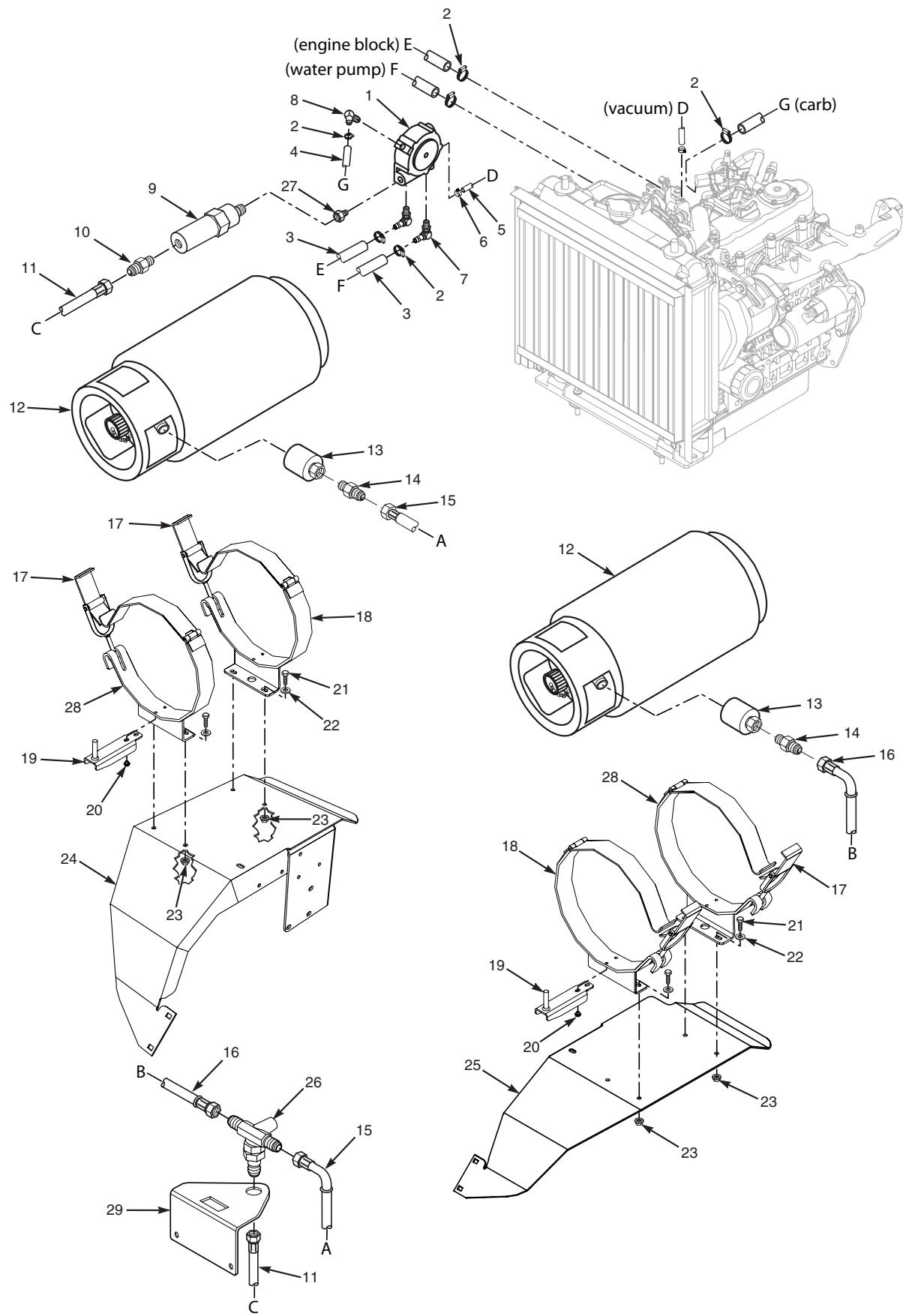
**Section 8****GASOLINE AND HYDRAULIC SYSTEM - KUBOTA DUAL FUEL**

<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>
1	04110-01	U-Nut 1/4-20	46	04060-09	Roll Pin, Spring 3/16 x 3/4"
2	48136-13	Hose Clamp, 0.69" Dia.	47	04017-05	Bolt, Hex Serr. Flng., 1/4-20 x 3/4"
3	04001-03	Bolt, Hex Hd. 1/4-20 x 2.0"	48	483620	*** Fuel Hose, 5/16" ID. Non-Perm.
4	48811	*** Hose, 3/8" ID Pushlock	49	422694	Clamp Plate, Pump Control
5	482505	Oil Cooler	50	481793	Block, Pump Control
6	481301-03	Elbow, 90 Deg. - 1/4" NPT x 3/8" Hose	51	483101	Pump, Left Hand, BDP-16A
7	482266-01	Elbow, 90 Deg. - 9/16" O-ring x 3/8" Hose	52	04021-09	Nut, Hex, Elastic Stop 3/8-16
8	482417	Oil Filter Base	53	04001-32	Bolt, Hex Hd., 3/8-16 x 1-1/4
9	482606	Hose Assy, 1/2" ID (Tank to Filter Base)	54	483100	Pump, Right Hand, BDP 16A
10	48136-05	Clamp, .87" max Dia.	55	482498	Cap, Fuel Tank w/Gauge
11	**	Fuel Filter, Kubota	56	04021-09	Nut, Hex Elastic Stop 3/8-16
12	483620	*** Fuel Hose, 5/16" ID. Non-Perm.	57	04043-04	Flatwasher, 3/8" (.391 x .938 x .105") Grd. 8
13	481308	Valve, Shutoff	58	424483	Mounting Bracket - LH, Oil Cooler
14	48059-04	Clamp, 5/16" Fuel Hose	59	424484	Mounting Bracket - RH, Oil Cooler
15	483620	*** Fuel Hose, 5/16" ID. Non-Perm.	60	04001-08	Bolt, Hex Hd. 5/16-18 x 3/4"
16	483749	Hose Fitting	61	48136-13	Cooler, Oil
17	48309	Bushing	62	04019-03	Clamp, 0.69" Dia.
18	04001-09	Bolt, Hex Hd. 5/16-18 x 1.0" Zinc	63	04017-16	Nut, Serr. Flng. 5/16-18
19	04019-03	Nut, Serr. Flng. 5/16-18	64	04017-05	Bolt, Hex Hd. 5/16-18 x 3/4"
20	48758	Oil Filter	65	04019-02	Nut, Serr. Flng. 1/4-20
21	482477	Tee, 3/4" O-Ring x JIC x 1/2" Hose			
22	04021-08	Nut, Hex Elastic Stop 1/4-20			
23	481164	Cap, Hydraulic Tank			
24	481507	Insert, Filler Neck			
25	48603-02	O-Ring			
26	461451	Oil Reservoir Assembly (Incl. 24, 27, 39)			
27	482572	Elbow, 90 Deg. 0.38" Hose			
	482571	Bushing, 0.56" Dia. Viton			
28	48136-13	Hose Clamp, 0.69" dia.			
29	48811	*** Hose, 3/8" ID, Pushlock			
30	04010-10	Screw, Phillips Head, 1/4-20			
31	48571-02	Cap			
32	461751	Fuel Tank Assembly (Incl. items 16, 17, 65)			
33	48136-05	Clamp, Hose			
34	48350-05	Elbow, 90 Deg., 5/8 x 1/2"			
35	48938-02	Bushing, 7/8"-14 JIC x 3/4"-16 O-Ring			
36	424914	Support Bracket, Fuel Tank			
37	04019-03	Nut, 5/16-18 Serr. Flng.			
38	04003-02	Bolt, Carriage 1/4-20 x 3/4"			
39	482574	Elbow, 90 Deg.			
40	482573	Bushing, 0.78" Dia. Viton			
41	423513	Strap, Hydraulic Tank			
42	424524	Support Bracket, Hydraulic Tank			
43	483805	Hose Assembly, Pump			
44	48572-06	Union, 5/8 x 1/2			
45	04001-59	Bolt, Hex Hd., 1/4-20 x 1-1/4"			
	04030-02	Lockwasher, 1/4" Spring			

\*\* Available through the individual engine manufacturer.

\*\*\* Order by the inch.

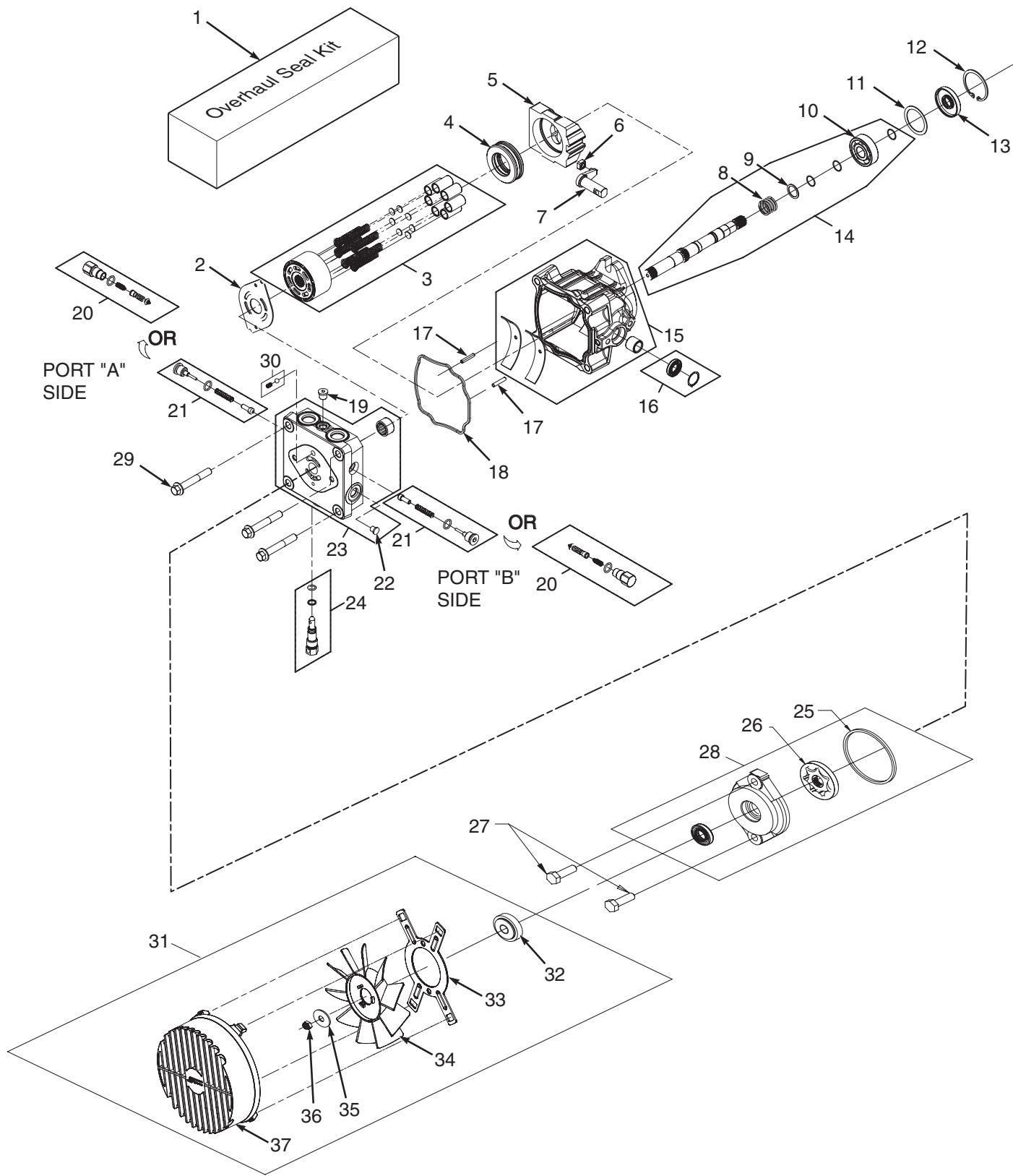
## LP SYSTEM - KUBOTA DUAL FUEL



**Section 8****LP SYSTEM - KUBOTA DUAL FUEL**

Ref. No.	Part No.	Description
1		** Regulator, Kubota
2	48136-05	Clamp, 0.87 Max. Dia.
3	483892	Hose, 3/8" ID 300 PSI (order by inch)
4	483891	Hose, LP
5	481179	Hose, Vacuum Line (order by inch)
6	48059-03	Clamp, 3/16" Hose ID
7		** Fitting, 90 Degree - Kubota
8		** Fitting, 90 Degree - Kubota
9	483915	Lockoff Valve LP, Electric
10	483889	Fitting, Union 3/8" Flare x 1/4" Pipe
11	483886	LP Fuel Line, 45-1/2" (to Regulator)
12	483899	LP Fuel Tank
13	483888	LP Quick Coupler
14	483889	Fitting, Union 3/8" Flare x 1/4" Pipe
15	483887	LP Fuel Line, 26-1/2" (RH Tank)
16	483885	LP Fuel Line, 52" (LH Tank)
17	483911	LP Tank Lock Bracket
18	483909	Front LP Tank Mounting Bracket
19	483912	LP Tank Locating Bracket
20		Bolt,
21	04001-19	Bolt, Hex Head 3/8-16 x 1"
22	04041-07	Flatwasher, 3/8-.391 x .938 x .105
23	04019-04	Nut, Serrated Flange 3/8-16
24	452026	Fender Weldment, RH
25	452025	Fender Weldment, LH
26	483890	T-Connector, w/check valves
27		** Fitting, Kubota
28	483910	Rear LP Tank Mounting Bracket
29	452004	Mounting Bracket, Tee Fitting and Selector Switch

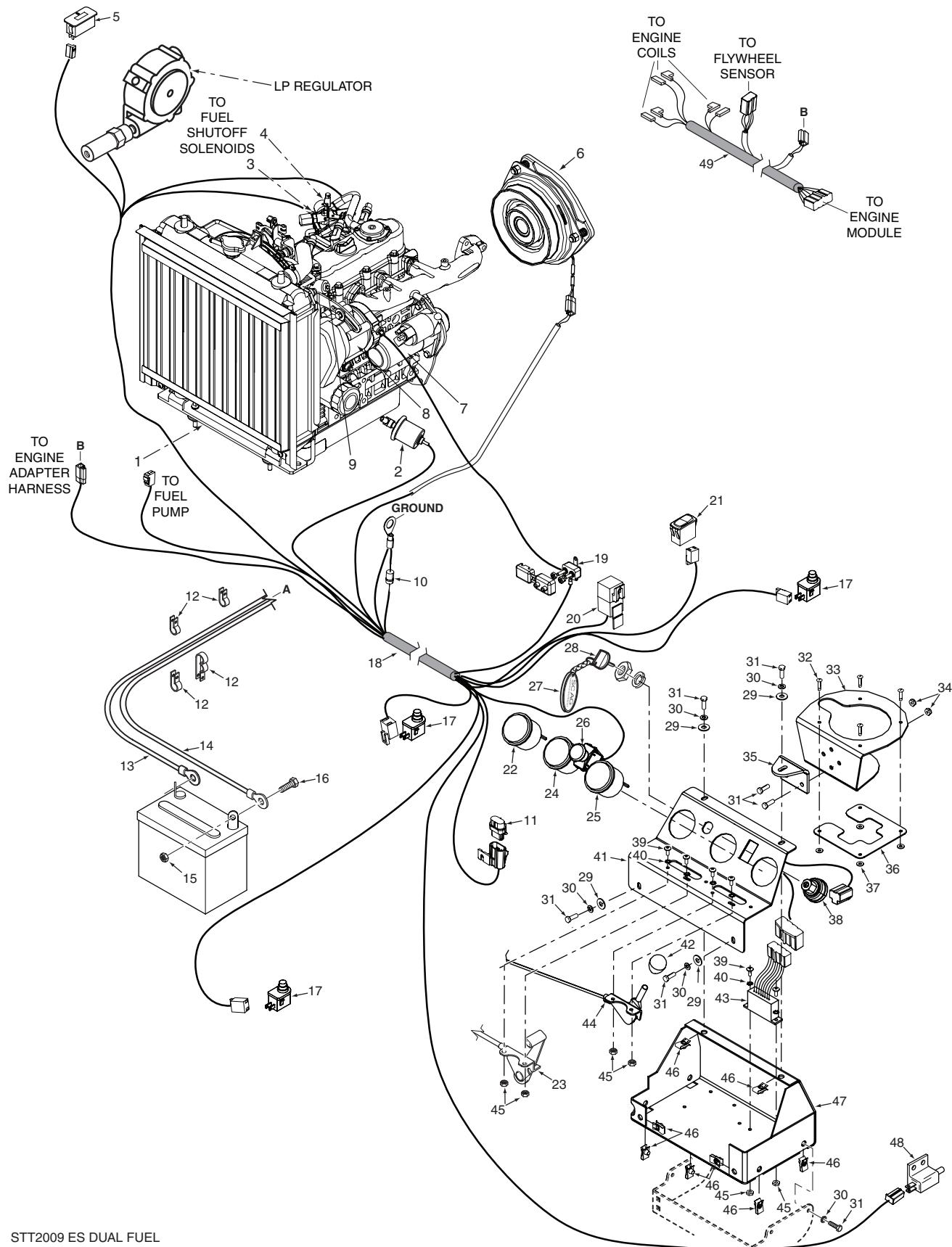
\*\* Available through the individual engine manufacturer.

**BDP-16A HYDRAULIC PUMP ASSEMBLY with Cooling Fan**

**BDP-16A HYDRAULIC PUMP ASSEMBLY with Cooling Fan**

<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>
1	HG70740	Overhaul Seal Kit
2	HG51455	Valve Plate
3	HG70735	Cylinder Block Kit - 16cc
4	HG51462	Thrust Ball Bearing Assembly
5	HG51436	Variable Swashplate
6	HG2000015	Slot Guide
7	HG2000014	Trunnion Arm
8	HG2000025	Block Spring
9	HG2000024	Block Thrust Washer
10	HG2000032	Shaft Ball Bearing
11	HG2000023	Spacer
12	HG2000038	Retaining Ring
13	HG51092	Seal
14	HG70578	Kit, Pump Shaft (keyed thru taper)
15	HG70738	Housing Kit
16	HG70739	Trunnion Seal Kit
17	HG50641	Pin
18	HG51437	O-Ring
19	HG9005110-7500	Straight Thread Plug
20	HG70743	Shock Valve Kit (.031 Orifice)
21	HG70742	Shock Valve Kit (.024 Orifice)
22	HG9005200-7500	Straight Thread Plug
23	HG70736	End Cap Kit
24	HG2513030	Bypass Valve Kit
25	HG9004100-1430	O-Ring
26	HG50406	Gerotor Assembly (.19 cu.in./rev.)
27	HG50173	Socket Head Cap Screw (M8 x 1.25-25mm)
28	HG70924	Charge Pump Kit (.19 STD. Splined)
29	HG51457	Hex Screw, Flanged Head (M10 x 1.50-65mm)
30	HG70402	Charge Relief Kit
31	HG71287	Fan Kit (incl. items 32, 34, 35, 36)
32	HG51348	Hub
33	HG52016	Bracket, Shroud
34	HG52014	Fan
35	HG52256	Washer
36	HG44809	Nut
37	HG52059	Shroud

## **ELECTRICAL SYSTEM - KUBOTA DUAL FUEL**



**Section 8****ELECTRICAL SYSTEM - KUBOTA DUAL FUEL**

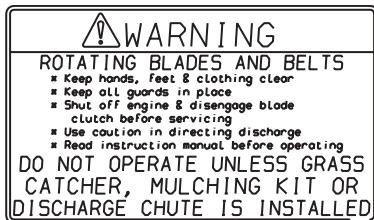
<b>Ref. No.</b>	<b>Part No.</b>	<b>Description</b>
1		** Fuel Pump
2	481811	Oil Pressure Sender
3		** LP Shutoff Solenoid
4		** Fuel Shutoff Solenoid
5	483537	Hourmeter
6	462011	Clutch, Ogura GT 3.5 - 1.125 Bore
7		** Starting Motor
8		** Alternator
9	483360	Sending Unit, Water Temp.
10	482253	Diode
11	48298	Fuse, 20 AMP
12	48030-09	Clamp, Cable 1/2" ID.
	48030-10	Clamp, Cable 3/4" ID.
	48030-11	Clamp, Double Cable 5/8" ID.
13	481176-10	Cable, Battery - Red
14	481176-11	Cable, Battery - Black
15	04020-02	Nut, Hex 1/4-20
16	04001-44	Bolt, Hex Head 1/4-20 x .5"
		Battery, (Not Available Through Scag)
17	481638	Switch, Interlock, Normally Open
18	483810	Main Wire Harness, STT Dual Fuel
19	482784	Circuit Breaker, 50 AMP
	482785	Cover, Circuit Breaker
20	483013	Relay, 12V
21	483815	Switch, Fuel Selector
22	481184	Volt Meter (Includes Mounting Hardware)
23	481182	Indicator Light, Glow Plugs (Includes Mounting Hardware)
24	481805	Engine Oil Pressure Gauge (Includes Mounting Hardware)
25	481183	Water Temperature Gauge (Includes Mounting Hardware)
26	483162	Switch, PTO
27	462069	Key Assembly w/Fob
28	483366	Key, Ignition
29	04040-14	Flat Washser, 1/4"
30	04030-02	Lockwasher, 1/4"
31	04001-01	Bolt, Hex Head 1/4-20 x 3/4"
32	04090-02	Pop Rivet, 3/16" x 5/8"
33	9240	Cupholder
34	04021-08	Nut, Elastic Stop 1/4"-20
35	423674	Bracket, Cupholder Mounting
36	482544	Retainer, Cupholder
37	04041-19	Flatwasher, 0.196 ID.
38	483758	Key Switch (Includes Mounting Hardware)
39	04010-01	Screw, Phillips Washer Head #10-32 x 1/2"
40	04031-01	Lockwasher, #10 External Tooth
41	461916	Instrument Panel, Top w/Decals
42	483533	Knob, Throttle
43	481808	Electronic Control Module
44	483746	Throttle Control
45	04020-01	Nut, Hex #10-32
46	04110-01	U-Nut, 1/4-20
47	451879	Base, Instrument Panel
48	481637	Switch, Interlock, Park Brake Normally Open
49	483879	Wire Harness Adapter, Kubota Dual Fuel

\*\* Available through the individual engine manufacturer.

## REPLACEMENT DECALS AND INFORMATION PLATES



1

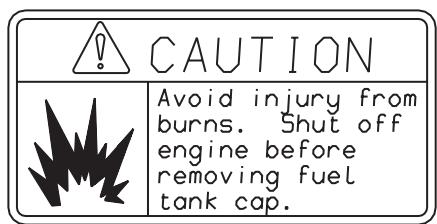


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MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:			
4,487,006	4,885,903	4,920,733	4,967,543
4,991,382	4,998,948	5,042,239	5,117,617
5,133,176	5,826,416	5,832,708	5,865,018
6,192,666	6,766,633	6,892,519	6,996,962
7,065,946	7,197,863	7,237,374	7,373,768

PATENTS PENDING

3



4



Failure to follow these  
instructions could result  
in serious injury or death.  
Do not operate machine on  
steep slopes or near drop offs.  
Avoid sharp and/or quick turns.  
Do not exceed the machine  
weight rating of the ROPS.  
Always use seat belt.  
Do not jump if machine tips.  
If ROPS is foldable,  
Always keep ROPS fully extended.  
WHEN ROPS MUST BE DOWN:  
Fold ROPS down and  
Drive with extra care.  
If equipped with seat platform:  
Do not operate machine without  
seat platform pin in place.  
266304500

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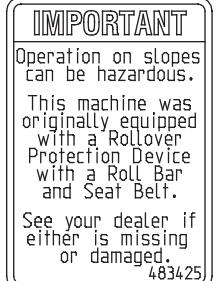
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**Heavy-Duty  
Commercial**

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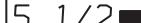


CUTTING HEIGHT

5 1/2



4 3/4



4



3 3/4



3



2 1/2



2 1/4



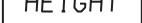
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1 1/2

CUTTING HEIGHT

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5 1/4



4 1/2



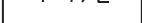
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3



2 1/2



2 1/4

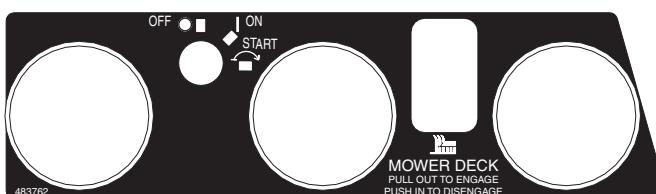


1 3/4



1 1/2

11



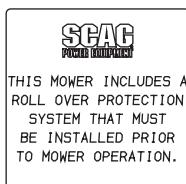
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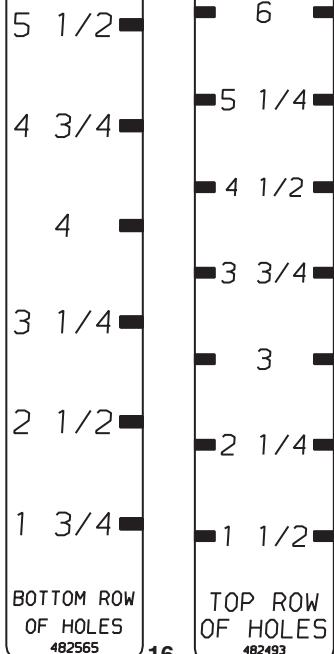


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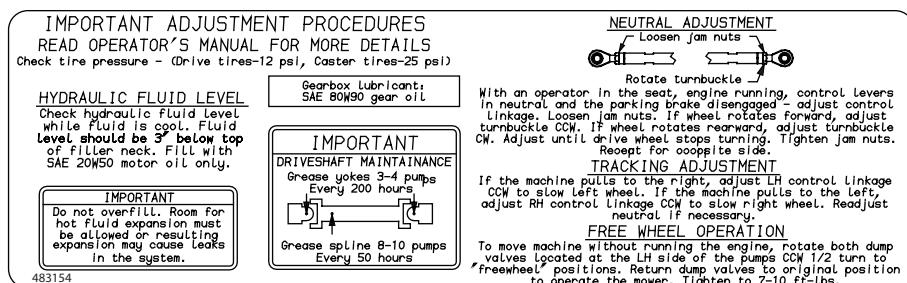
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18

## REPLACEMENT DECALS AND INFORMATION PLATES

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	483407	Decal, Danger-Spinning Blades	21	483405	Decal, Warning
2	483406	Decal, Warning-Rotating Blades	22	483229	Decal, Turf Tiger
3	483044	Decal, Patents	23	483727	Decal, Scag Logo
4	483397	Decal, Fuel Tank	24	48404	Decal, Metalcraft-Made In USA
5	483201	Decal, 61" Velocity Plus	25	483859	Decal, Scag Dual-Fuel
6	481568	Decal, Traction Control	26	483869	Decal, Stripes-RH
7	483300	Decal, ROPS Warning	27	483868	Decal, Stripes-LH
8	481971	Decal, Heavy Duty Commercial	28	483900	Decal, Warning Spark Arrestor
9	483402	Decal, Belt Cover	**	461982	Spanish Decal Kit, STT
10	483429	Decal, Warning Seat Hold Down			
11	483425	Decal, ROPS			
12	481669	Decal, Instrument Panel - Upper			
13	482983	Decal, Instrument Panel - Lower			
14	483633	Decal, Seat Replacement			
15	483158	Decal, ROPS			
16	482565	Decal, Cutting Height - Lower			
17	482493	Decal, Cutting Height - Upper			
18	483444	Decal, Start/Drive Procedure			
19	483154	Decal, Checks and Adjustments			
20	482577	Decal, Turf Tiger			



19



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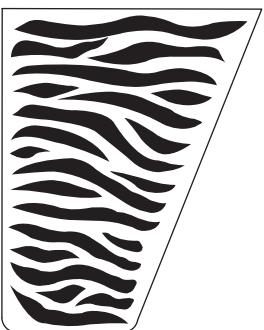


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483859

2009 STTKBDF Decals Page2

## ELECTRICAL SCHEMATIC - KUBOTA DUAL FUEL

